In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A method for a user accessing information on a network, comprising the steps of:

providing a remote control device operating in a first and control mode with internally generated control commands and in a second and scanning mode;

in the control mode, controlling an appliance at a user location by wirelessly transmitting the control commands to the appliance;

in the scanning mode:

forming a representation of machine recognizable code (MRC) information contained within an MRC using the remote control device in response to the user pressing a first button of the remote control device, the representation of the MRC having no network address routing information contained therein;

wirelessly transmitting the representation of the MRC information contained within the MRC to a network interface device in response to the step of forming;

transmitting the representation of the MRC information from the network interface device to an intermediate location on the network;

receiving network address routing information associated with the representation of the MRC information from the intermediate location, the network address routing information including a network address associated with a remote location on the network;

connecting the user location over the network to the remote location associated with the representation of the MRC information using the network address routing information retrieved from the intermediate location and downloading information therefrom; and

displaying the downloaded information on a display at the user location, such that when displayed, substantially immediate feedback of displayed information is provided to the user in response to the step of forming.

2. (Original) The method of Claim 1, wherein the network is a global communication network.

3. (Previously Presented) The method of Claim 1, wherein the step of forming comprises scanning the MRC with a scanner, which scanner is incorporated into the remote control device.

4. (Previously Presented) The method of Claim 1, wherein the MRC in the step of forming is a UPC associated with an article of commerce.

5. (Previously Presented) The method of Claim 1, wherein the MRC in the step of forming is associated with a product and the remote location on the network is associated with the product.

6. (Original) The method of Claim 1, wherein the display in the step of displaying is disposed in close association with the network interface device.

7. (Original) The method of Claim 6, wherein the network interface device in the step of wirelessly transmitting and the display in the step of displaying comprise a personal computer.

8. (Currently Amended) The method of Claim 1, wherein the step of connecting to the remote location and downloading the information therefrom comprises:

transmitting the representation of the MRC information to the intermediate location on the network having a relational database associated therewith, which relational database has contained therein relationships between a plurality of representations of MRCs and network address routing information on the network;

comparing the received representation of the MRC information with information in the relational database to determine if a match exists; and

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if a match exists, accessing the remote location and downloading the information

10   therefrom to the display.

9.   (Currently Amended) The method of Claim 8, wherein the display and the
network interface device are disposed at the user location remote from the remote location on the
network and the step of accessing information from the remote location comprises transferring
the network address routing information from the relational database back to the user location,

5   the user location and the network interface device then accessing the remote location and the
information therefrom for download therefrom.

10.   (Previously Presented) The method of Claim 1, wherein the step of forming
comprises extracting MRC information with a portable extracting device and the step of
wirelessly transmitting comprises the steps of:

        storing the extracted MRC information in a memory;

5   transmitting the stored extracted MRC information to the network interface device
in a predetermined number of steps;

        at the network interface device, receiving the transmitted MRC information and,
upon receiving any of the transmitted stored information, utilizing that received stored
information to connect to the remote location on the network, while ignoring subsequent

10   transfers of extracted MRC information from the portable extraction device.

11.   (Currently Amended) A system for accessing information on a network,
comprising:

        a remote control device operating in a first and control mode with internally
generated control commands, and in a second and scan mode;

5   wherein in said control mode, an appliance at a user location is controlled by
wirelessly transmitting said control commands to said appliance;

        wherein in said scan mode;

                a machine recognizable code (MRC) at said user location has a
        representation of the MRC information formed by a scanning operation thereof in

response to the user pressing a first button of the remote control device, which said representation of the MRC has no <u>network address</u> routing information contained therein;

a network interface device in communication with said remote control device and to which said representation of the MRC information is wirelessly transmitted from said remote control device in response to being formed;

wherein said network interface device at said user location transmits the representation of the MRC information to an intermediate location on the network, receives routing information associated with the representation of the MRC information from the intermediate location, the routing information including a network address associated with a remote location on the network, connects to said remote location associated with said representation of the MRC information using the routing information retrieved from the intermediate location and downloads information therefrom; and

wherein said downloaded information is displayed on a display at said user location, such that when displayed, substantially immediate feedback of displayed information is provided to the user in response to said MRC being scanned.

12. (Original) The system of Claim 11, wherein the network is a global communication network.

13. (Original) The system of Claim 11, wherein the MRC is scanned with a scanner, which said scanner is incorporated into said remote control device.

14. (Original) The system of Claim 11, wherein said MRC is a UPC associated with an article of commerce.

15. (Original) The system of Claim 11, wherein said MRC is associated with a product and said remote location on the network is associated with said product.

16. (Original) The system of Claim 11, wherein said display is disposed in close association with said network interface device.

17.   (Original) The system of Claim 16, wherein said network interface device and said display comprise a personal computer.

18.   (Currently Amended) The system of Claim 11, wherein when said network interface device connects to said remote location and downloads the information thereof, and

wherein representation of the MRC information is transmitted to the intermediate location on the network having a relational database associated therewith, which said relational database has contained therein relationships between a plurality of representations of said MRCs and network address routing information on the network,

wherein the received representation of said MRC information is compared with stored information in said relational database to determine if a match exists, and if said match exists, said remote location is accessed and the information is downloaded therefrom to said display.

19.   (Currently Amended) The system of Claim 18, wherein said display and said network interface device are disposed at said user location remote from said remote location on the network, and the information which is accessed from said remote location comprises network address routing information which is transferred from said relational database back to said user location, said user location and said network interface device then accessing said remote location and the information therefrom for download therefrom.

20.   (Previously Presented) The system of Claim 11, wherein the representations of said MRC information is formed using a portable extracting device,

wherein said extracted MRC information is stored in a memory of said portable extracting device,

wherein said stored extracted information is transmitted to said network interface device in a predetermined number of steps,

wherein said transmitted stored information is received at said network interface device and, upon receiving any of said transmitted stored information, said remote location on the network is connected to utilizing that received stored information, while ignoring subsequent transfers of extracted information from said portable extraction device.

21.   (Withdrawn) A method for a user accessing information on a network, comprising the steps of:

providing a remote control device operating in a first and control mode with internally generated control commands and in a second and scanning mode;

in the control mode, controlling an appliance at a user location by wirelessly transmitting the control commands to the appliance; and

in the scanning mode:

forming a plurality of representations of machine recognizable code (MRC) information contained within each of a plurality of MRCs using the remote control device in response to the user pressing a first button of the remote control device, the representation of each of the MRCs having no routing information contained therein;

storing the plurality of representations of the MRCs in a memory of the remote control device; and

wirelessly transmitting the plurality of the representations of the MRC information contained within each of the MRCs to a network interface device in response to the user pressing a second button of the control device;

transmitting the plurality of the representations of the MRC information from the network interface device to an intermediate location on the network;

receiving, for each of the plurality of representations of the MRC information, routing information associated with each of the representations of the MRC information from the intermediate location, the routing information for each of the plurality of representations of MRC information including a network address associated with a remote location on the network;

connecting the user location over the network to the remote location associated with each of the plurality of the representations of the MRC information using the routing information retrieved from the intermediate location and downloading the information therefrom; and

displaying the downloaded information on a display at the user location.

22.   (Withdrawn) The method of Claim 21, wherein the step of forming comprises scanning the MRCs with a scanner, which scanner is incorporated into the remote control device.

23.   (Withdrawn)   The method of claim 21, wherein the step of connecting to the remote location and downloading the information therefrom comprises:

transmitting the plurality of representations of the MRC information to the intermediate location on the network having a relational database associated therewith, which relational database has contained therein relationships between the plurality of representations of MRCs and routing information on the network;

for each of the plurality of representations of the MRC information:

comparing the received representation of the MRC information with information in the relational database to determine if a match exists; and

if a match exists for a particular representation of the MRC information, accessing the remote location associated with the particular representation of the MRC information and downloading the information therefrom to the display.

24.   (Withdrawn) The method of Claim 21, wherein the MRC in the step of forming is a UPC associated with an article of commerce.

25.   (Withdrawn) The method of Claim 21, wherein the MRC in the step of forming is associated with a product and the remote location on the network is associated with the product.